

Amendments to the Specification

Please delete the paragraph beginning on page 19, line 27 and replace with the following paragraph:

C-297-L: AGGAGCTTACTTGGGATCTG (SEQ ID NO: 1)
C-346-L: GGAACAAACTTGGATGGTGT (SEQ ID NO:2)
C-297-K: ACAGGAGCTTAAAAGGGATCTGGC (SEQ ID NO:3)
C-346-K: ATGGAACAAAAAGGGATGGTGTAA (SEQ ID NO:4)
C-346-d: GAATGGAACAAAGGGATGGTGTAAAC (SEQ ID NO:5)
B-346-d: CATGAATGGAACAAAGGTTGGTGCAACTGG (SEQ ID NO:6)

Please delete Table 1, beginning on page 21, and replace with the following

Table 1:

Name	Sequence in RNase Motif	RNase activity	Viability of mutant
pA/CSFV	.. <u>SLHGIWPEKIC</u> (<u>SEQ ID NO:7</u>)....RHEWNK <u>HGWCNW</u> .. (<u>SEQ ID NO:8</u>)	+	+
C-297-L	.. <u>SLLGIWPEKIC</u> (<u>SEQ ID NO:9</u>)....RHEWNK <u>HGWCNW</u> .. (<u>SEQ ID NO:8</u>)	-	+
C-346-L	.. <u>SLHGIWPEKIC</u> (<u>SEQ ID NO:7</u>)....RHEWNK <u>LGWCNW</u> .. (<u>SEQ ID NO:10</u>)	-	+
C-297-L/346-L	.. <u>SLLGIWPEKIC</u> (<u>SEQ ID NO:9</u>)....RHEWNK <u>LGWCNW</u> .. (<u>SEQ ID NO:10</u>)	-	+
C-297-K	.. <u>SLKGIWPEKIC</u> (<u>SEQ ID NO:11</u>)....RHEWNK <u>HGWCNW</u> .. (<u>SEQ ID NO:8</u>)	-	+
C-346-K	.. <u>SLHGIWPEKIC</u> (<u>SEQ ID NO:7</u>)....RHEWNK <u>KGWCNW</u> .. (<u>SEQ ID NO:12</u>)	-	+
C-297-d	.. <u>SL GIWPEKIC</u> (<u>SEQ ID NO:13</u>)....RHEWNK <u>HGWCNW</u> .. (<u>SEQ ID NO:8</u>)	-	-
C-346-d	.. <u>SLHGIWPEKIC</u> (<u>SEQ ID NO:7</u>)....RHEWNK <u> GWCNW</u> .. (<u>SEQ ID NO:14</u>)	-	+
C-296/7/8-d	.. <u>S</u> <u>IWPEKIC</u> (<u>SEQ ID NO:15</u>)....RHEWNK <u>HGWCNW</u> .. (<u>SEQ ID NO:8</u>)	-	-
C-345/6/7-d	.. <u>SLHGIWPEKIC</u> (<u>SEQ ID NO:7</u>)....RHEWN <u> WCNW</u> .. (<u>SEQ ID NO:16</u>)	-	-
C-345/6-d	.. <u>SLHGIWPEKIC</u> (<u>SEQ ID NO:7</u>)....RHEWN <u> GWCNW</u> .. (<u>SEQ ID NO:17</u>)	-	-
C-346/7-d	.. <u>SLHGIWPEKIC</u> (<u>SEQ ID NO:7</u>)....RHEWN <u>K WCNW</u> .. (<u>SEQ ID NO:18</u>)	-	-
C-342-d	.. <u>SLHGIWPEKIC</u> (<u>SEQ ID NO:7</u>)....RHEWN <u>KHGWCNW</u> .. (<u>SEQ ID NO:19</u>)	-	-
C-342/6-d	.. <u>SLHGIWPEKIC</u> (<u>SEQ ID NO:7</u>)....RHEWN <u>KHGWCNW</u> .. (<u>SEQ ID NO:20</u>)	-	-
C-301-d	.. <u>SLHGIW EKIC</u> (<u>SEQ ID NO:21</u>)....RHEWNK <u>HGWCNW</u> .. (<u>SEQ ID NO:8</u>)	-	-
C-295-S/G	.. <u>GLHGIWPEKIC</u> (<u>SEQ ID NO:22</u>)....RHEWNK <u>HGWCNW</u> .. (<u>SEQ ID NO:8</u>)	-	+
C-300-W/G	.. <u>SLHGIGPEKIC</u> (<u>SEQ ID NO:23</u>)....RHEWNK <u>HGWCNW</u> .. (<u>SEQ ID NO:8</u>)	-	+
C-302-E/A	.. <u>SLHGIWPAKIC</u> (<u>SEQ ID NO:24</u>)....RHEWNK <u>HGWCNW</u> .. (<u>SEQ ID NO:8</u>)	-	-
C-305-C/G	.. <u>SLHGIWPEKIG</u> (<u>SEQ ID NO:25</u>)....RHEWNK <u>HGWCNW</u> .. (<u>SEQ ID NO:8</u>)	-	-
C-300-W/G-302-E/A	.. <u>SLHGIGPAKIC</u> (<u>SEQ ID NO:26</u>)....RHEWNK <u>HGWCNW</u> .. (<u>SEQ ID NO:8</u>)	-	-
C-340-R/G	.. <u>SLHGIWPEKIC</u> (<u>SEQ ID NO:7</u>)....GHEWNK <u>HGWCNW</u> .. (<u>SEQ ID NO:27</u>)	-	-
C-343-W/G	.. <u>SLHGIWPEKIC</u> (<u>SEQ ID NO:7</u>)....RHEGNK <u>HGWCNW</u> .. (<u>SEQ ID NO:28</u>)	-	-
C-345-K/A	.. <u>SLHGIWPEKIC</u> (<u>SEQ ID NO:7</u>)....RHEWNA <u>HGWCNW</u> .. (<u>SEQ ID NO:29</u>)	-	-

C-297-K/346-K	... <u>SLKGIWPEKIC</u> (SEQ ID NO:11)... ...RHEWNKKGWCNW..(SEQ ID NO:12)	-	+
C-297-K/346-L	... <u>SLKGIWPEKIC</u> (SEQ ID NO:11)... ...RHEWNKKGWCNW..(SEQ ID NO:12)	-	+
pA/BVDV	... <u>SLHGIWPEKIC</u> (SEQ ID NO:7)... ...RHEWNKHGWCNW..(SEQ ID NO:8)	+	+
B-346-d	... <u>SLHGIWPEKIC</u> (SEQ ID NO:7)... ...RHEWNK_GWCNW..(SEQ ID NO:14)	-	+

Please delete the paragraph beginning on page 35, line 23 and replace with the following paragraph:

Primers for RT-PCR:

upstream:

OI H-3: TGGAAACAAAGGATGGTGT (SEQ ID NO: 30)

OI H+2: TGGAAACAAACATGGATGG (SEQ ID NO: 31)

OI H+3: GAATGGAACAAACATGGA (SEQ ID NO: 32)

downstream

OI E^{ms}Stop: GGAATTCTCAGGCATAGGCACCAAACCAGG (SEQ ID NO: 33)

Please delete the paragraph beginning on page 36, line 3 and replace with the following paragraph:

Figure 1: The first 495 amino acids as expressed by the Alfort strain of CSFV

The sequence listing shows the first 495 amino acids as expressed by the Alfort strain of CSFV (Meyers et al., 1989) (SEQ ID NO:34). One monomer of the glycoprotein E^{RNS} of said strain corresponds to the amino acids 268 to 494 as described by Rümenapf et al. (1993). Residues 295 to 307 and 338 to 357 representing the regions showing homology to plant and fungal RNases (Schneider et al., 1993) are underlined.